

# CAPITAL IMPROVEMENT PLAN



Fiscal Years 2012 through 2016

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**CIP Process**

The County annually prepares a five year Capital Improvement Plan (CIP) for capital expenditures, as defined below. Each elected official and division director is asked to evaluate their capital needs for the next five years and to submit their requests for inclusion in the Capital Improvement Plan. Projects are prioritized based on the urgency of the need, as described in the request, with consideration also given to whether the project was included in the prior year CIP. A major factor in determining priorities is whether the project improves the efficiency and effectiveness of County government. Priority is also given to projects that will provide cost savings to the County.

The County has an established maximum annual Capital Improvement Plan of \$75,000,000 from County funds (debt and pay-as-you-go). Of this, \$55 million has been reserved in prior years for projected school funding. That amount has been deferred for FY12 pending resolution of funding needs and obligations as determined by the recent consolidation of City/County school systems. The projects requested were prioritized to stay within the established maximum and some projects had to be delayed by at least one year. However, all projects requested have been presented to the County Commission for consideration.

Although the five-year Capital Improvement Plan is approved in total, only the budget for the first year is actually adopted as the CIP Budget. This budget is an allocation or indication of intent by the County Commission. The remaining four years are approved as the plan for the subsequent years. All projects in the approved Capital Improvement Budget are subject to subsequent appropriation by the Board of Commissioners. Each project must be approved by a resolution to appropriate the amount for the project and to approve the contract or purchase of the project.

Because it is impossible to plan every asset acquisition need in advance, a contingency has been provided within the CIP budget for those items.

**CIP Definition**

A Capital Improvement Project is defined to encompass those steps required to design and construct or purchase a self-contained capital asset, or the acquisition of land regardless of cost. All costs which represent items that are physically a part of a building qualify if the construction or renovation project exceeds a cost of \$100,000. Planned asset acquisitions which do not meet these definitions are requested as a part of the operating budget. Recurring annual expenditures for maintenance or repairs of existing capital improvements are excluded from this type of funding. Additional expenditures or anticipated savings associated with the capital projects must also be considered in the operating budget and are noted in the following pages.

Projects included in the Capital Improvement Plan that cost in excess of \$100,000 must have a useful life of at least 10 years, except for computer projects that must have a life of at least five years. For the past three years, the County has provided pay-as-you-go funding for smaller and shorter life projects, reducing our dependence on debt.

For the individual projects listed herein, the amounts reflected for "prior year" are only for the project being approved. Any past projects that have been completed, will no longer have their associated costs listed as "prior year." Year one of the CIP Budget establishes the specific projects and the maximum amount of contracts that may be awarded and approved for the fiscal year. Projects may be completed and contractors paid within the fiscal year or construction may continue into one or more future years.

**CIP Funding**

Funding for the county's portion of the CIP Budget is generally obtained through a short term borrowing program or the issuance of long term general obligation debt. A short term borrowing program may be established each fiscal year to cover the estimated amount of current year payments for projects authorized in that year as well as the payments expected from projects appropriated in previous fiscal years and continuing into the current year. When short term borrowing is used, it is converted to long term general obligation debt within approximately two years after the initial sale.

If a short term borrowing program is utilized, then in addition to establishing the borrowing program size, the County Commission must approve and adopt an initial authorizing bond resolution that provides the funding for the current fiscal year's capital plan. The amount to be authorized in this resolution is based on the assumption that all allocations in the current fiscal year's plan will be appropriated. Any unused prior year authorization may carry forward and be netted against the current year's requirement.

The County provides some funding to CIP for pay-as-you-go rather than debt issuance. Pay-as-you-go funds, to the extent available, will generally be used for projects that do not constitute assets of Shelby County, for smaller projects, projects that have a shorter useful life, and other non-school projects. Debt will be used for schools, large projects and when pay-as-you-go funds are not available. The County intends to develop an ongoing pay-as-you-go program to the extent funding can be identified.

Each capital project, along with its estimated cost, is described and the combined financial requirements are summarized on the following pages.



**CAPITAL IMPROVEMENT PLAN SUMMARY**  
**Adopted Five Year FY 2012-2016**

	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
REIMBURSEMENT-OTHER LOCAL GOVT	0	0	0	23,000,000	0	23,000,000
REIMBURSEMENT-CITY OF MEMPHIS	75,000	2,620,200	100,000	4,800,000	100,000	7,695,200
STATE FUNDING	0	5,000,000	0	0	0	5,000,000
FEDERAL FUNDING	10,000,000	500,000	1,000,000	1,000,000	1,000,000	13,500,000
DEPOT PRINCIPAL AND INTEREST	319,306	323,681	283,213	409,757	266,025	1,601,982
TRANSFER FROM DEBT SERVICE FUND	6,916,000	6,985,000	7,055,000	7,125,000	7,200,000	35,281,000
PAY AS YOU GO/G.O. BONDS	15,419,169	65,269,770	68,223,000	65,695,000	57,875,485	272,482,424
<b>TOTAL REVENUES</b>	<b>32,729,475</b>	<b>80,698,651</b>	<b>76,661,213</b>	<b>102,029,757</b>	<b>66,441,510</b>	<b>358,560,606</b>
 PUBLIC WORKS	 14,275,000	 8,525,000	 8,800,000	 35,600,000	 1,200,000	 68,400,000
JUSTICE SYSTEM	1,079,000	2,799,970	2,128,000	5,420,000	3,175,485	14,602,455
GENERAL GOVERNMENT	17,056,169	12,050,000	8,450,000	3,600,000	4,800,000	45,956,169
SCHOOLS	0	55,000,000	55,000,000	55,000,000	55,000,000	220,000,000
TRANSFER TO DEBT SERVICE FUND	319,306	323,681	283,213	409,757	266,025	1,601,982
EMCP INTEREST & ISSUANCE EXPENSE	0	2,000,000	2,000,000	2,000,000	2,000,000	8,000,000
<b>TOTAL ALLOCATIONS</b>	<b>32,729,475</b>	<b>80,698,651</b>	<b>76,661,213</b>	<b>102,029,757</b>	<b>66,441,510</b>	<b>358,560,606</b>
 COUNTY'S SHARE OF ALLOCATIONS	 22,335,169	 72,254,770	 75,278,000	 72,820,000	 65,075,485	 307,763,424

**CIP Summary****FY12 Allocations**

Project No.	Project Name	FY12 ALLOCATIONS	
		Total	County
PUBLIC WORKS SUMMARY			
301071	Fite Road	12,500,000	2,500,000
301076	Walnut Grove Landfill	1,500,000	1,500,000
301077	Jackson Pit Landfill Monitoring	150,000	75,000
301078	Shelby Farms Road Paving	125,000	125,000
		14,275,000	4,200,000
JUSTICE SYSTEM SUMMARY			
630172	CJC - 201 Poplar Renovations	250,000	250,000
630173	CJC - 225 Poplar Roof Replacement	250,000	250,000
620571	SHERIFF - Arlington Substation Lighting	121,000	121,000
630171	SHERIFF - Jail Laundry Renovation	458,000	458,000
		1,079,000	1,079,000
GENERAL GOVERNMENT SUMMARY			
	SCG OFFICE BUILDINGS		
307371	160 N. Main Renovation	5,000,000	5,000,000
307374	SCG Offices - 150 Washington Elevator	750,000	750,000
307377	SCG Offices - Mullins Station Pkg Lot Lighting	500,000	500,000
307373	ADA Sidewalk Accessibility	100,000	100,000
400374	814 Jefferson - Health Department	250,000	250,000
301971	511 Alabama - Service Stations	300,000	300,000
307378	157 Poplar - Exterior Resurfacing	350,000	350,000
307379	157 Poplar - Jury Commission Room	150,000	150,000
307380	157 Poplar - Trustee Buildout	234,000	234,000
800871	Trustee Data Domain Archiver	117,800	117,800
800771	Archives Expansion	304,369	304,369
		8,056,169	8,056,169
	INFORMATION TECHNOLOGY		
630174	Replace JMS/JSS/IMS systems	8,000,000	8,000,000
		8,000,000	8,000,000
	PROJECT CONTINGENCIES		
201299	General Government	800,000	800,000
201299	Efficiency Projects	200,000	200,000
		1,000,000	1,000,000
	Total General Government CIP	17,056,169	17,056,169
	TOTAL FY12 CIP PROJECTS	32,410,169	22,335,169
	Transfer To Debt Service Fund	319,306	
	TOTAL FY12 CIP ALLOCATIONS	32,729,475	22,335,169

# CIP Project Allocation Summary

# Public Works Division

PROJECT ALLOCATIONS BY YEAR							
PROJECT TITLE:	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Raleigh-Millington Road Bridge	-	-	7,775,000	-	-	-	7,775,000
Fite Road	684,407	12,500,000	-	-	-	-	12,500,000
Holmes Road - Riverdale to Hacks	459,748	-	250,000	7,600,000	-	-	7,850,000
911 Emergency Comm. Center	-	-	-	-	32,400,000	-	32,400,000
Metro Groundwater Study	-	-	500,000	1,200,000	1,200,000	1,200,000	4,100,000
Walnut Grove Landfill	-	1,500,000	-	-	-	-	1,500,000
Jackson Pit Landfill Monitoring	-	150,000	-	-	-	-	150,000
Veteran's Home - Millington	-	-	-	-	2,000,000	-	2,000,000
Shelby Farms - Farm Road Repavi	-	125,000	-	-	-	-	125,000
<b>PROJECT TOTALS</b>	<b>1,144,155</b>	<b>14,275,000</b>	<b>8,525,000</b>	<b>8,800,000</b>	<b>35,600,000</b>	<b>1,200,000</b>	<b>68,400,000</b>

REVENUE SOURCES AND ALLOCATION TYPES							
	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
<b>REVENUE SOURCES:</b>							
Reimbursement -Other Local Govt	-	-	-	-	23,000,000	-	23,000,000
Reimbursement - City of Memphis	-	75,000	2,620,200	100,000	4,800,000	100,000	7,695,200
State Funding			5,000,000	-	-	-	5,000,000
Federal Funding	432,520	10,000,000	500,000	1,000,000	1,000,000	1,000,000	13,500,000
Pay-As-You-Go/G.O. Bonds	711,635	4,200,000	404,800	7,700,000	6,800,000	100,000	19,204,800
<b>TOTAL REVENUE</b>	<b>1,144,155</b>	<b>14,275,000</b>	<b>8,525,000</b>	<b>8,800,000</b>	<b>35,600,000</b>	<b>1,200,000</b>	<b>68,400,000</b>
<b>ALLOCATION TYPES:</b>							
Engineering/Architect	817,155	150,000	500,000	1,200,000	1,200,000	1,200,000	4,250,000
Land Acquisition	-	-	275,000	-	-	-	275,000
Construction	327,000	14,125,000	7,750,000	7,600,000	34,400,000	-	63,875,000
Other							-
<b>TOTAL ALLOCATIONS</b>	<b>1,144,155</b>	<b>14,275,000</b>	<b>8,525,000</b>	<b>8,800,000</b>	<b>35,600,000</b>	<b>1,200,000</b>	<b>68,400,000</b>
<b>County's Share of Allocations</b>	<b>711,635</b>	<b>4,200,000</b>	<b>404,800</b>	<b>7,700,000</b>	<b>6,800,000</b>	<b>100,000</b>	<b>19,204,800</b>



## CIP Project Detail

## Public Works Division

**PROJECT TITLE:** RALEIGH MILLINGTON BRIDGE

**LOCATION:** Crosses the Loosahatchie River near the Millington Airport

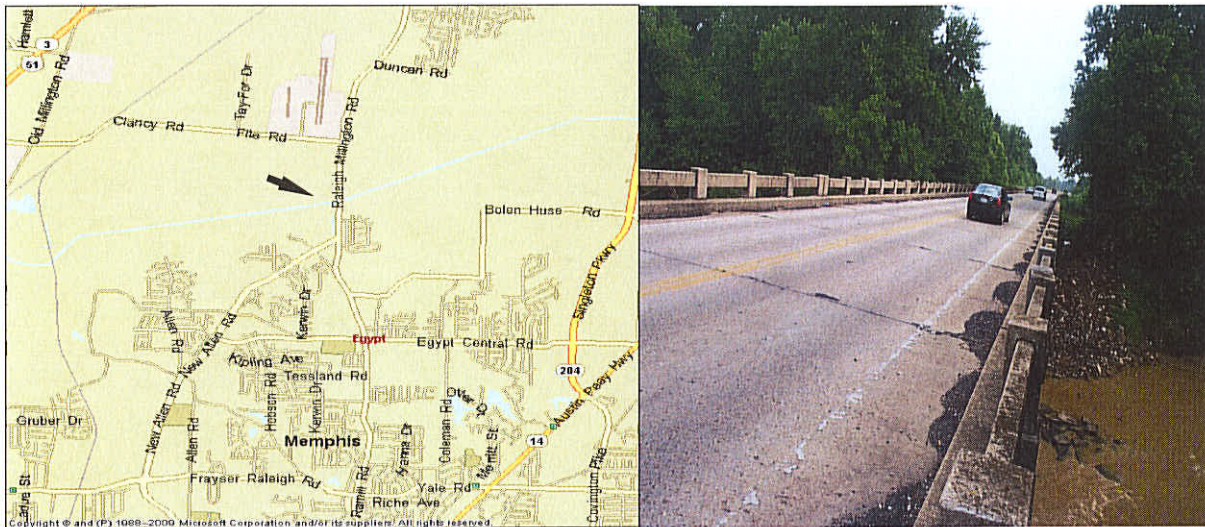
**PROJECT DESCRIPTION:**

This 925 foot bridge has been determined to be in need of repair by replacement. It will be widened to four lanes and connect to a roadway project planned by the City of Memphis that will improve Raleigh Millington Road south to Egypt Central Road. The City of Memphis has agreed to fund (33%) of the design, right-of-way and construction costs of the bridge. This funding percentage coincides with the bridge's location which has approximately (2/3) of its length in the unincorporated County and the remaining (1/3) in the City.

**PROJECT JUSTIFICATION:**

In 2007, a structural evaluation of the bridge revealed excessive wear in the members, and as a result a weight restriction prohibiting the use of the bridge by large trucks was instituted until emergency repairs could be made. Deferral of this project could result in a similar restriction or closure in the future. According to the latest state bridge inspection, the Raleigh-Millington Road Bridge was rated in poor condition. Temporary repairs were made in 2007 to restore the bridge to full traffic. At that time, the structural evaluations performed by a bridge specialist revealed excessive deterioration in the members that warrant complete replacement. The City of Memphis has submitted a signed agreement to provide 33% of the project funding and bridge funds from the state-aid program will provide an additional \$5.0 M. The bridge will be widened to four lanes with provisions for pedestrians and bicyclists. The City of Memphis is continuing the widening from the south end of the bridge to Egypt Central to further improve this north-south connection. Improvements to the road and bridge will encourage development to the area. Due to its condition rating, complete replacement is required for continued long term use of the bridge.

**IMPACT ON OPERATING BUDGET:** Reduce bridge maintenance that had been required due to condition of current bridge.



REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY2012	FY 2013	FY 2014	FY 2015	FY 2016	FIVE YEAR TOTAL
Reimbursement-City of Memphis			2,620,200				2,620,200
State Funding			5,000,000				5,000,000
Pay-As-You-Go/G.O. Bonds			154,800	-	-	-	154,800
<b>TOTAL REVENUES</b>	<b>-</b>	<b>-</b>	<b>7,775,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7,775,000</b>
Engineering/Architect							0
Land Acquisition			25,000				25,000
Construction			7,750,000				7,750,000
<b>TOTAL ALLOCATIONS</b>	<b>-</b>	<b>-</b>	<b>7,775,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>7,775,000</b>

## CIP Project Detail

## Public Works Division

**PROJECT TITLE:** FITE ROAD  
**LOCATION:** Highway 51 to Woodstock Boulevard

**PROJECT DESCRIPTION:**

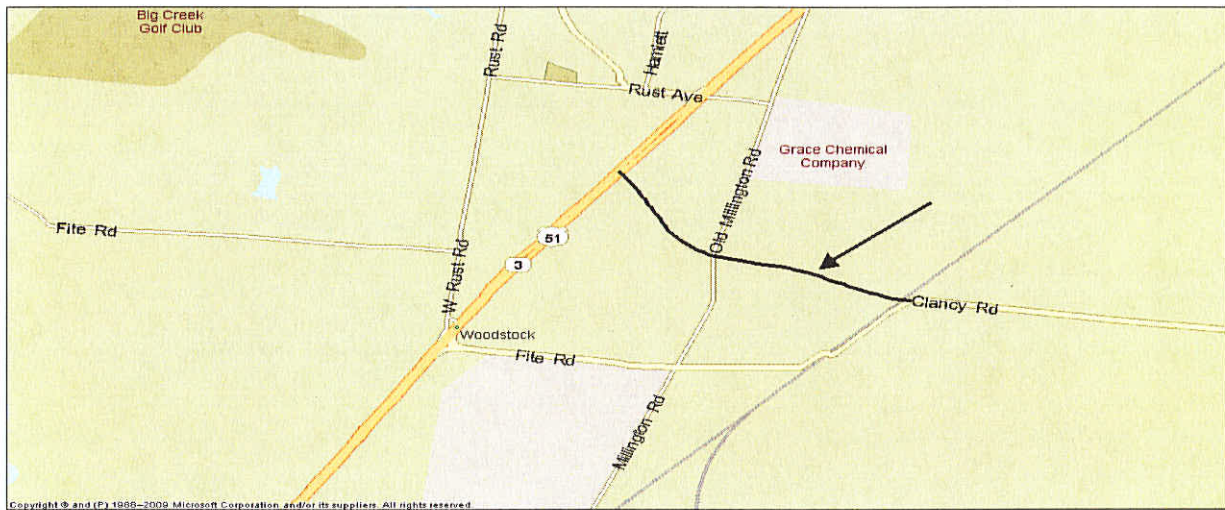
This 1.5 mile project from Highway 51 to Woodstock Boulevard will connect to the section of Fite Road from Woodstock Boulevard to Raleigh-Millington Road that was completed about 8 years ago. The project consists of the construction of two lanes along a new alignment that removes poor geometry and adds a bridge over the CN railroad. The project provides a much needed regional east-west connection with security and emergency response implications important to residents in the Woodstock-Cuba area among others. The bridge, while improving access for the area, also removes the safety concern of train/automobile/truck conflicts, particularly those involving the transport of chemical products.

**PROJECT JUSTIFICATION:**

The project was selected for federal funding through a competitive project selection process at the local MPO level. Deferring this project could result in loss of funding. Shelby County has the opportunity to construct a road and bridge project with a cost share of (80:20); federal to local dollars that will improve the safety and economic growth of an industrial district that is essential to the local economy.

**IMPACT ON OPERATING BUDGET:**

The new road will have a marginal increase to road maintenance expense in future years.



REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY2012	FY 2013	FY 2014	FY 2015	FY 2016	FIVE YEAR TOTAL
Federal Funding	432,520	10,000,000					10,000,000
Pay-As-You-Go/G.O. Bonds	251,887	2,500,000	-	-	-	-	2,500,000
<b>TOTAL REVENUES</b>	<b>684,407</b>	<b>12,500,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12,500,000</b>
Engineering/Architect	357,407						0
Construction	327,000	12,500,000					12,500,000
<b>TOTAL ALLOCATIONS</b>	<b>684,407</b>	<b>12,500,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12,500,000</b>



## CIP Project Detail

## Public Works Division

**PROJECT TITLE:** HOLMES ROAD - RIVERDALE TO HACKS CROSS

**LOCATION:** Southeast Shelby County

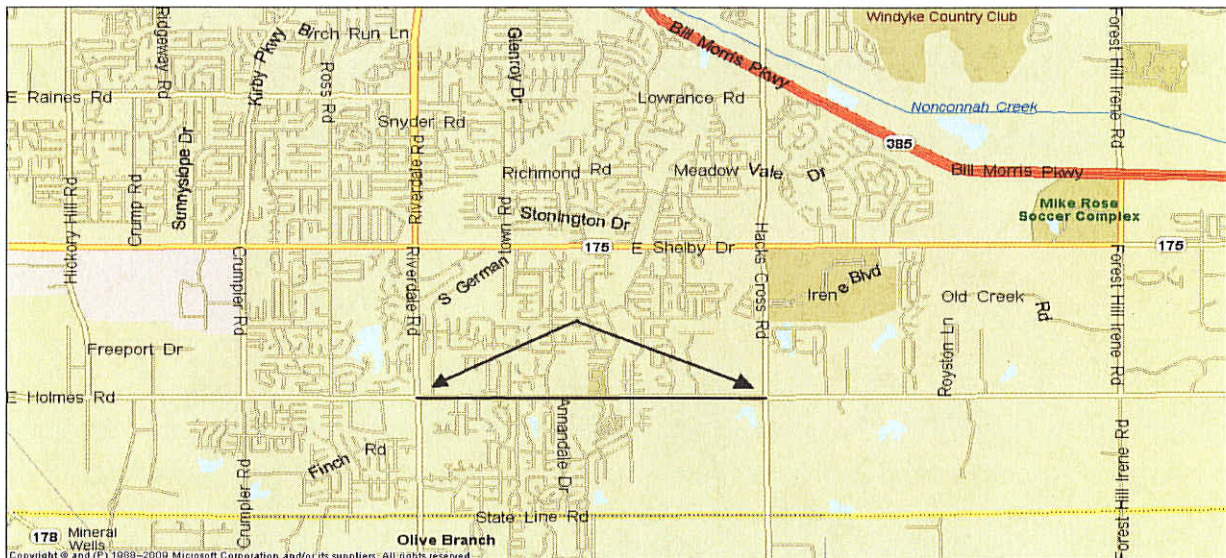
**PROJECT DESCRIPTION:**

Location: Riverdale to Hacks Cross. This 2.2 mile residential segment has been recommended for improvement due to growth in this area of Shelby County and the need for improved pedestrian and bicycle mobility. Project will include improvements in vertical geometry, and provision of four lanes divided by a treed median and coordinated sidewalks.

**PROJECT JUSTIFICATION:**

Project design is complete and a majority of the right-of-way has been dedicated during the land development process. This project will correct poor geometry and provide two additional lanes. It will improve safety with the removal of vertical curves for better sight distance and provide accommodations for pedestrians and bicyclists. The road design incorporates complete streets principles which follows the sustainable Shelby initiatives. It will enhance livability and have a positive impact on property values for citizens in the southeast area of Shelby County.

**IMPACT ON OPERATING BUDGET:** Marginal increase to road maintenance expense long term.



REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY2012	FY 2013	FY 2014	FY 2015	FY 2016	FIVE YEAR TOTAL
Pay-As-You-Go/G.O. Bonds	459,748		250,000	7,600,000	-	-	7,850,000
<b>TOTAL REVENUES</b>	<b>459,748</b>	<b>-</b>	<b>250,000</b>	<b>7,600,000</b>	<b>-</b>	<b>-</b>	<b>7,850,000</b>
Engineering/Architect	459,748						0
Land Acquisition			250,000				250,000
Construction				7,600,000			7,600,000
<b>TOTAL ALLOCATIONS</b>	<b>459,748</b>	<b>-</b>	<b>250,000</b>	<b>7,600,000</b>	<b>-</b>	<b>-</b>	<b>7,850,000</b>



## CIP Project Detail

## Public Works Division

**PROJECT TITLE:** 911 EMERGENCY COMMUNICATIONS CENTER BUILDING  
**LOCATION:** East Memphis near Shelby Farms

**PROJECT DESCRIPTION:**

This facility will collocate the call and dispatch functions for the City of Memphis Police and Fire Departments and Shelby County Fire and Sheriff's Departments. The building has been designed to withstand seismic and tornadic events. The 911 Communications Board is providing \$23M in funding for construction. The City of Memphis and Shelby County are cost sharing the balance of \$9.4M.

**PROJECT JUSTIFICATION:**

Shelby County upgrades its call center functions at a 15% cost-share.

**IMPACT ON OPERATING BUDGET :** \$72,500 per year which is Shelby County's pro-rata share of the operating expenses of this facility.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY2012	FY 2013	FY 2014	FY 2015	FY 2016	FIVE YEAR TOTAL
Reimbursement-City of Memphis					4,700,000		4,700,000
Pay-As-You-Go/G.O. Bonds					4,700,000	-	4,700,000
Reimbursement- 911 Board					23,000,000		23,000,000
<b>TOTAL REVENUES</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,700,000</b>	<b>-</b>	<b>32,400,000</b>
Construction					32,400,000		32,400,000
<b>TOTAL ALLOCATIONS</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>32,400,000</b>	<b>-</b>	<b>32,400,000</b>

**PROJECT TITLE:** METRO GROUNDWATER STUDY

**PROJECT DESCRIPTION:**

Cost share (83:17) with U.S. Army Corps of Engineers to study and develop a plan for preservation and protection of regional water supply aquifers. Local governments cost share of 17% will be shared with participating sponsors University of Memphis Groundwater Institute and U.S. Geological Survey (USGS). This project is expected to be a \$10,000,000 project over 5 years. It is subject to obtaining federal funding. The project is to be phased as follows: 1) Data collection and reconciliation of existing data. 2) Development and utilization of state-of-the-art technology to accurately define the regional hydrogeology. 3) Development of computer models to address groundwater overuse and contamination. 4) Development of "Best Management Practices" at watershed scale.

This project is to be phased as follows:

1. Data collection and reconciliation of existing data.
2. Development and utilization of state-of-the-art technology to accurately define the regional hydrogeology.
3. Development of computer models to address groundwater overuse and contamination.
4. Development of "Best Management Practices" at watershed scale.

**PROJECT JUSTIFICATION:**

Comprehensive study of the County's groundwater will provide a road map for its long term preservation. Failure to address issues such as overuse and potential sources of contamination may result in higher treatment costs. In year one, the project is funded 100% through federal grants and future years will be an 83:17 cost share, federal to local. This project includes data collection and analysis of regional hydrology for the protection of groundwater contamination and water resource conservation. Best management practices will be developed to implement improved pollution prevention methods for long term preservation of the County's drinking water supply. Protection of the County's natural resources is part of the Sustainable Shelby initiatives. The high quality of the water supply serving the Memphis-Metropolitan area is nationally known and provides a marketability edge when encouraging the location of both businesses and residents.

**IMPACT ON OPERATING BUDGET :** None

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY2012	FY 2013	FY 2014	FY 2015	FY 2016	FIVE YEAR TOTAL
Reimbursement - City of Memphis		-		100,000	100,000	100,000	300,000
Federal Funding			500,000	1,000,000	1,000,000	1,000,000	3,500,000
Pay-As-You-Go/G.O. Bonds		-		100,000	100,000	100,000	300,000
<b>TOTAL REVENUES</b>	<b>-</b>	<b>-</b>	<b>500,000</b>	<b>1,200,000</b>	<b>1,200,000</b>	<b>1,200,000</b>	<b>4,100,000</b>
Engineering/Architect			500,000	1,200,000	1,200,000	1,200,000	4,100,000
<b>TOTAL ALLOCATIONS</b>	<b>-</b>	<b>-</b>	<b>500,000</b>	<b>1,200,000</b>	<b>1,200,000</b>	<b>1,200,000</b>	<b>4,100,000</b>

## CIP Project Detail

## Public Works Division

**PROJECT TITLE:** WALNUT GROVE LANDFILL  
**LOCATION:** Walnut Grove Road at Shelby Farms

**PROJECT DESCRIPTION:**

The Walnut Grove landfill has not accepted refuse for approximately 20 years. The Landfill is in the post closure period with TDEC who places certain requirements on the maintenance and monitoring of the landfill. For the past 20 years the solid waste material has been breaking down and creating voids in the soil that cause settlement. The settlement creates recessed areas in the ground above the landfill which can collect rain water. The collection of rainwater on the landfill is an unacceptable condition to TDEC as it may create a threat to the groundwater. In order to minimize this threat to our groundwater, positive drainage needs to be re-established by adding and compacting fill throughout the 100 acre cap.

**PROJECT JUSTIFICATION:**

Possible penalties from the State of Tennessee Department of Environment and Conservation. Maintain compliance with landfill closure plan. The County Public Works Office is seeking alternatives to obtain the required landfill from other Public Works and Shelby Farms Park Conservancy projects.

**IMPACT ON OPERATING BUDGET :** None

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY2012	FY 2013	FY 2014	FY 2015	FY 2016	FIVE YEAR TOTAL
Pay-As-You-Go/G.O. Bonds		1,500,000	-	-	-	-	1,500,000
<b>TOTAL REVENUES</b>	<b>0</b>	<b>1,500,000</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>
Construction		1,500,000					1,500,000
<b>TOTAL ALLOCATIONS</b>	<b>0</b>	<b>1,500,000</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>

**PROJECT TITLE:** JACKSON PIT LANDFILL MONITORING WELLS

**PROJECT DESCRIPTION:**

Install two additional monitoring wells at the Jackson Pit Landfill, re-establish the 11 existing wells and begin sampling and testing of the groundwater to ensure contaminants are not present. Report preparation and submittal to the Tennessee Department of Environment and Conservation (TDEC) for review and concurrence of results. Following four satisfactory analytical results, a "No Further Action" will be prepared by the City of Memphis for TDEC approval.

**PROJECT JUSTIFICATION:**

Possible penalties from the State of Tennessee Department of Environment and Conservation. Shelby County is the property owner and the City of Memphis is the landfill operator. The City and County are cost sharing the monitoring and testing requirements to comply with TDEC closure procedures. The City of Memphis will be responsible for administering the project.

**IMPACT ON OPERATING BUDGET :** None

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY2012	FY 2013	FY 2014	FY 2015	FY 2016	FIVE YEAR TOTAL
Reimbursement - City of Memphis		75,000					75,000
Pay-As-You-Go/G.O. Bonds		75,000					75,000
<b>TOTAL REVENUES</b>	<b>0</b>	<b>150,000</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>
Engineering / Architecture		150,000					150,000
<b>TOTAL ALLOCATIONS</b>	<b>0</b>	<b>150,000</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>150,000</b>



**CIP Project Detail****Public Works Division****PROJECT TITLE: VETERAN'S HOME PROJECT - MILLINGTON****PROJECT DESCRIPTION:**

\$2M contribution by Shelby County in 2013 to fund construction of a \$24.0M, 150 bed facility that would care for veterans who reside in West Tennessee. 25 acres of land has been donated by the Millington Industrial Development Board for the facility. 65% of the cost will be funded by the Veteran's Administration and 35% will be funded by the state of Tennessee and Shelby County. It will be located in the vicinity of the former Naval Air Station in Millington, TN.

**PROJECT JUSTIFICATION:**

Provide a facility in West Tennessee that would care for the needs of area veterans.

**IMPACT ON OPERATING BUDGET :** None

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY2012	FY 2013	FY 2014	FY 2015	FY 2016	FIVE YEAR TOTAL
Pay-As-You-Go/G.O. Bonds					2,000,000		2,000,000
<b>TOTAL REVENUES</b>	<u>0</u>	<u>0</u>	<u>-</u>	<u>0</u>	<u>2,000,000</u>	<u>0</u>	<u>2,000,000</u>
Construction					2,000,000		2,000,000
<b>TOTAL ALLOCATIONS</b>	<u>0</u>	<u>0</u>	<u>-</u>	<u>0</u>	<u>2,000,000</u>	<u>0</u>	<u>2,000,000</u>

**PROJECT TITLE: Shelby Farms - Farm Road Repaving****PROJECT DESCRIPTION:**

The management agreement between Shelby County and the Shelby Farms Conservancy, Shelby County agrees to resurface portions of the internal road network in accordance with current county roadway standards. The condition of some of the roads, primarily farm road, will be in the condition where resurfacing is necessary during the 2012 fiscal year. This is an expense that has not occurred to date. The roads within the park are not dedicated roads and therefore the revenue received from gas tax cannot be used for the project.

**PROJECT JUSTIFICATION:**

The condition of some of the roads, primarily Farm Road, are in a deteriorating condition and will require resurfacing during the 2012 fiscal year.

**IMPACT ON OPERATING BUDGET :** None

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY2012	FY 2013	FY 2014	FY 2015	FY 2016	FIVE YEAR TOTAL
Pay-As-You-Go/G.O. Bonds		125,000					125,000
<b>TOTAL REVENUES</b>	<u>0</u>	<u>125,000</u>	<u>-</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>125,000</u>
Construction		125,000					125,000
<b>TOTAL ALLOCATIONS</b>	<u>0</u>	<u>125,000</u>	<u>-</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>125,000</u>



## Public Works Capital Projects Budgeted In Other Funds

Project Description:	<u>FY12 Amount</u>
<b><u>Fire Fund (Fund 954):</u></b>	
Renovation at Bolton fire station on Brunswick Road	\$ 100,000
Design and construction of a new fire station in Northaven	<u>800,000</u>
Total Fire Fund:	\$ 900,000
<b><u>Roads &amp; Bridges Fund (Fund 071):</u></b>	
Ward Road Bridge Drainage Canal	\$ 1,400,000
Proposed funding is from Fund 71 fund balance	
<b>Total Projects Budgeted in other Funds</b>	<b><u>\$ 2,300,000</u></b>

## CIP Project Allocation Summary

## Justice System

PROJECT ALLOCATIONS BY FISCAL YEAR						
PROJECT TITLE:	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
CJC - 201 Poplar Renovations	250,000	1,300,000	1,000,000	500,000	-	3,050,000
CJC - 225 Poplar Roof Replacement	250,000	-	-	-	-	250,000
Juvenile Court - Detention Gymnasium	-	-	-	-	3,175,485	3,175,485
SHERIFF - Arlington Substation Lighting	121,000	-	-	-	-	121,000
SHERIFF - Fleet Operations Building	-	-	648,000	-	-	648,000
SHERIFF - Special Operations Building	-	-	480,000	-	-	480,000
SHERIFF - Indoor Firing Range	-	-	-	4,920,000	-	4,920,000
SHERIFF - Fingerprint ID System	-	1,499,970	-	-	-	1,499,970
SHERIFF - Jail Laundry Renovation	458,000	-	-	-	-	458,000
<b>PROJECT TOTALS</b>	<b>1,079,000</b>	<b>2,799,970</b>	<b>2,128,000</b>	<b>5,420,000</b>	<b>3,175,485</b>	<b>14,602,455</b>

REVENUE SOURCES AND ALLOCATION TYPES						
	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
<b>REVENUE SOURCES:</b>						
Pay-As-You-Go/G.O. Bonds	1,079,000	2,799,970	2,128,000	5,420,000	3,175,485	14,602,455
<b>TOTAL REVENUES</b>	<b>1,079,000</b>	<b>2,799,970</b>	<b>2,128,000</b>	<b>5,420,000</b>	<b>3,175,485</b>	<b>14,602,455</b>
<b>ALLOCATION TYPES:</b>						
Construction	1,079,000	2,799,970	2,128,000	5,420,000	3,175,485	14,602,455
<b>TOTAL ALLOCATIONS</b>	<b>1,079,000</b>	<b>2,799,970</b>	<b>2,128,000</b>	<b>5,420,000</b>	<b>3,175,485</b>	<b>14,602,455</b>

## CIP Project Detail

## Justice System

**PROJECT TITLE:** CRIMINAL JUSTICE CENTER - Repairs and Renovations

**PROJECT LOCATION:** 201 Poplar Avenue

**PROJECT DESCRIPTION:**

**Item 1: HVAC Controls Retrofit @ 201 Poplar** - This project includes repairs and upgrades to the primary air handling units for the Criminal Justice Center. The repairs and upgrades include replacing existing pneumatic controls with DDC controls, connecting and integrating the new controls into the current automation system, replacing control valves, cleaning all coils and removing all deactivated components. This is a multi-year project.

**PROJECT JUSTIFICATION:**

Newer digital controls result in more accurate control of space temperatures. Also, automation and remote control allows equipment to be turned off during times of non-use. Both of these result in improved energy efficiency.

**IMPACT ON OPERATING BUDGET:** Savings in utility expense should be realized.

**Item 2: Waterproof Building Exterior @ 201 Poplar** - The caulking and backer rod for most of the expansion joints for the building exterior have deteriorated and now allow water to leak into the building. Additional concerns have arisen regarding the integrity of the waterproof membrane protecting the sub-grade Lower Level. Numerous water leaks have resulted in flooding problems and significant damage to interior finishes. This project includes consultant fees to completely identify the water problems and design remediation of the problems. Funding in following years is intended to implement the remediation.

**PROJECT JUSTIFICATION:**

Deferring this project will result in continued water damage to interior finishes in the CJC.

**IMPACT ON OPERATING BUDGET:** Operating expenses related to the repair of water damage will be reduced.

**Item 3: Replace Boilers @ 201 Poplar** - The existing steam boilers at 201 Poplar are in excess of 30 years old, and have exceeded the manufacturers' recommended useful life. Chemical build up on the heat transfer tubes in the boilers has corroded many tubes, thereby reducing the overall capacity and efficiency of the boilers.

**PROJECT JUSTIFICATION:**

Boiler tubes will continue to corrode and fail. The capacity of the boilers will continue to reduce until they are no longer able to satisfy the heating requirements for the CJC complex.

**IMPACT ON OPERATING BUDGET:** Improvements in energy efficiency will reduce utility expense.

**Item 4: Replace Water Pumps @ 201 Poplar** - The domestic water pumps serving the CJC Tower have developed numerous issues recently and need to be replaced.

**PROJECT JUSTIFICATION:**

Each time the water pumps need service, the CJC tower is in jeopardy of losing its domestic water supply.

**IMPACT ON OPERATING BUDGET:** Operating expenses related to the frequent repair of water pumps will be reduced.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay as You Go/G.O. Bonds	1,339,259	250,000	1,300,000	1,000,000	500,000		3,050,000
<b>TOTAL REVENUES</b>	<b>1,339,259</b>	<b>250,000</b>	<b>1,300,000</b>	<b>1,000,000</b>	<b>500,000</b>	<b>0</b>	<b>3,050,000</b>
Construction (see detail below)	1,339,259	250,000	1,300,000	1,000,000	500,000		3,050,000
<b>TOTAL ALLOCATIONS</b>	<b>1,339,259</b>	<b>250,000</b>	<b>1,300,000</b>	<b>1,000,000</b>	<b>500,000</b>	<b>0</b>	<b>3,050,000</b>

**PROJECT DETAIL:**

1. HVAC Controls Retrofit @201 Popla	1,339,259		500,000	500,000	500,000		1,500,000
2. Waterproofing @201 Poplar		150,000	300,000				450,000
3. Replace Boilers @ 201 Poplar			500,000	500,000			1,000,000
4. Replace Water Pumps @ 201 Poplar		100,000					100,000
<b>TOTAL</b>	<b>1,339,259</b>	<b>250,000</b>	<b>1,300,000</b>	<b>1,000,000</b>	<b>500,000</b>	<b>0</b>	<b>3,050,000</b>



**CIP Project Detail****Justice System****PROJECT TITLE:** CRIMINAL JUSTICE CENTER - Roof Replacements**PROJECT LOCATION:** 225 Poplar Avenue**PROJECT DESCRIPTIONS:**

**Item 1: Roof Replacement @ 225 Poplar:** Replace roof on the Old Jail and the breezeway connecting it to the Criminal Justice Center. These roofs have been patched and repaired numerous times in the past and are no longer feasible to repair. Warranties for these roofs have long since expired. Some repair savings will result after completion.

**PROJECT JUSTIFICATION:**

Deferring this project will result in continued water damage to interior finishes in the CJC.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay as You Go/G.O. Bonds		250,000	-	-	-		250,000
<b>TOTAL REVENUES</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>
Construction		250,000	-	-	-		250,000
<b>TOTAL ALLOCATIONS</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

**PROJECT TITLE:** JUVENILE COURT - Detention Center Gymnasium**PROJECT LOCATION:** 616 Adams Avenue**PROJECT DESCRIPTION:**

**Item 1: JC Detention Center Gymnasium** - Construction of a gymnasium with classrooms and office space for the Juvenile Court Detention Center. The proposed building will be located at 600 Adams, the current location of the Victims Assistance Center, which is scheduled to move to the Family Safety Center, 1750 Madison, in June of 2011.

**PROJECT JUSTIFICATION:**

Deferring the project may negatively impact ACA accreditation. The gymnasium construction project would allow Juvenile Court to comply with ACA requirements for the provisions of a covered recreation area for juvenile detainees. ACA requires at least 1 hour daily of large muscle exercises for detainees. The existing recreation area is a rooftop gymnasium usable less than 6 months out of the year in the spring and fall seasons. The building would greatly improve the detention recreation environment as well provide a larger area for HOPE Academy, the detention school operated by Memphis City Schools that provides a regular 6 hour curriculum for detainees.

**IMPACT ON OPERATING BUDGET:** An annual increase in utility and insurance costs is projected in the amount of \$25,000.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay as You Go/G.O. Bonds			-			3,175,485	3,175,485
<b>TOTAL REVENUES</b>			<b>0</b>			<b>3,175,485</b>	<b>3,175,485</b>
Construction			-			3,175,485	3,175,485
<b>TOTAL ALLOCATIONS</b>			<b>0</b>			<b>3,175,485</b>	<b>3,175,485</b>

**CIP Project Detail****Justice System****PROJECT TITLE: SHERIFF - Arlington Substation Lighting****PROJECT DESCRIPTION:**

**Item 1: Arlington Substation Parking Lot Lighting** - Provide for the renovation of existing light poles and the installation of new fixtures on and around the parking lot of the of the Sheriff's Office buildings located at 11670 Memphis-Arlington Road, Arlington, TN 38002. An electrical engineer may be required to prepare the RFP and evaluate received bids.

**PROJECT JUSTIFICATION:**

The agency is currently experiencing a cost of about \$16,000.00 per year for the upkeep of the current lighting system. This does not include a current expenditure of about \$20,000.00 per year for the utility cost to operate the existing lighting. This equates to an average annual expenditure of approximately \$36,000.00 to operate and maintain the existing lighting schematic. The calculated annual expenditure for the lighting schematic proposed by MLG&W is about \$7,200.00. This number includes cost-free maintenance for normal equipment failure or acts of God and results in an immediate annual savings of about \$28,000.00.

**IMPACT ON OPERATING BUDGET:** An estimated reduction of about \$16,000.00 in maintenance expenses should be realized upon completion of the project. In addition, a reduction of about \$12,000.00 per year in utility fees should be realized. This equates to a reduction in expenditure of approximately \$28,000.00 per year.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay as You Go/G.O. Bonds		121,000	-	-	-	-	121,000
<b>TOTAL REVENUES</b>	<b>0</b>	<b>121,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>121,000</b>
Construction		121,000	-		-	-	121,000
<b>TOTAL ALLOCATIONS</b>	<b>0</b>	<b>121,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>121,000</b>

## CIP Project Detail

## Justice System

**PROJECT TITLE:** SHERIFF - Fleet Operations Building

**PROJECT DESCRIPTION:**

Item 1: **Expansion of Fleet Operations Building @ Sheriff Substation in Arlington** - Provide for the expansion of the Sheriff's Office Fleet Operations building located at 11670 Memphis-Arlington, Bldg. C, Arlington, TN 38002. The project will extend the building southwesterly from the southwest face of the eastern most end of the existing building. The expansion will include a large work bay for oversized vehicle repairs and service, a smaller work bay for motorcycle and small engine repairs and service and an inventory storage area. An architectural consultant will be required to prepare the RFP and evaluation received bids.

**PROJECT JUSTIFICATION:**

The facility expansion will allow for a safe working environment for working on larger vehicles. Currently there is no indoor space large enough to work on our larger equipment which dictates the necessity to work outside in the parking lot during inclement or unfavorable conditions and without the built-in safeguards of a functional repair shop. a) The project will reduce the need to outsource repairs and services thus negating customarily high labor and parts charges. In addition, whereas the facility does not have adequate work space for motorcycles, small engines and larger vehicles, this equipment is often sent out to vendors and does not always receive priority so is therefore pulled from the public service fleet for days or even weeks. Being able to provide immediate in-house attention to these needs will allow for a much faster reintroduction of the asset back into active service. Expansion of the facility will also provide an opportunity to fully utilize the variety of skill sets of each employee.

**IMPACT ON OPERATING BUDGET:**

An estimated \$40,000.00 per year will be realized by bringing various services regarding motorcycles, small engines/equipment and larger vehicles in-house. Current staff members have sufficient experience and certification to perform the repairs however, the current facility does not provide adequate space to work safely and with enough room to house necessary inventory of parts and tools.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay as You Go/G.O. Bonds		-	-	648,000	-	-	648,000
<b>TOTAL REVENUES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>648,000</b>	<b>0</b>	<b>0</b>	<b>648,000</b>
Construction		-	-	648,000	-	-	648,000
<b>TOTAL ALLOCATIONS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>648,000</b>	<b>0</b>	<b>0</b>	<b>648,000</b>



**PROJECT TITLE:** SHERIFF - Special Operations Building

**PROJECT DESCRIPTION:**

**Item 1:** Expansion of Special Operations Building. Provides for the expansion of the Sheriff's Office Special Operations building located at 999 Dovecrest, Memphis, TN 38134. The project is to expand the building space to add three offices and two climate controlled storage areas for seized property storage. Also, the project will expand the parking lot and secured fenced area to allow for the storage of approximately another 100 seized vehicles or pieces of equipment. An architect will be required to prepare the RFP specifications and to evaluate bids received.

**PROJECT JUSTIFICATION:**

- a) Currently, seized property is housed at 994 Bellevue, a shared warehouse, a temporary storage trailer and within the current facility. The expansion will allow for the centralization of seized property. This will greatly impact the efficiency of accountability and processing through final disposition.
- b) The Sheriff's Office is required to safeguard seized property until such a time that it has been legally processed and a final disposition is determined by the courts and fully executed. The expansion project will provide adequate space to successfully accomplish this mandate.
- c) The expansion of the facility offers the centralization of services and an increased efficiency without a significant increase in the operating budget and without the necessity of increasing staff.
- d) By following the proper protocol, this project will serve to employ a local consulting firm, a general contractor and numerous subcontractors with a focus in locally owned small business.
- e) As stewards of taxpayer dollars, citizens will benefit from having a more effective and efficiently functional operation dedicated to the proper handling of personal property and assets pending litigation and final disposition from the courts.

**IMPACT ON OPERATING BUDGET: NONE**

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay as You Go/G.O. Bonds		-	-	480,000	-	-	480,000
<b>TOTAL REVENUES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>480,000</b>	<b>0</b>	<b>0</b>	<b>480,000</b>
Construction		-	-	480,000	-	-	480,000
<b>TOTAL ALLOCATIONS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>480,000</b>	<b>0</b>	<b>0</b>	<b>480,000</b>

**PROJECT TITLE:** SHERIFF - Indoor Firing Range

**PROJECT DESCRIPTION:**

**Item 1: Indoor Firing Range @ Mullins Station -** Provide for the design and construction of an indoor firing range located at the Sheriff's Office Firing Range complex at 800 Dovecrest, Memphis, TN 38134. The building will include a 20-lane indoor firing range to accommodate training and qualifications for handgun, shotgun and patrol rifle. The building will also provide an office space, a classroom, adequate restrooms and a storage room. An architectural consultant will be required to prepare the RFP and evaluate received bids.

**PROJECT JUSTIFICATION:**

- a) The project will greatly improve the efficiency of scheduling and completing mandatory training and qualifications associated with a large law enforcement agency. Longer term incimate weather can push scheduled training and qualification back to the extent that a backlog exists and has to be scheduled for larger than desirable classes in order to meet the annual requirements. The ability to hold these events regardless of weather condition or time of day offers a significant advantage over our current facilities.
- b) The project is not required as the current outdoor facility offers the minimal requirements. An indoor facility would alleviate a rush or backlog and allow the agency to more effectively meet the requirements of Tennessee Police Officer Standards and Training (POST) requirement 110-4-.02 which mandates that each law enforcement officer receive at least 8-hours of firearms training and qualify annually. Additionally, utilizing an indoor facility minimizes the environmental impact by 100% over utilizing an outdoor facility. The capture and recovery of ALL lead bullets and brass casings is routine for an indoor facility whereas the recovery of lead from an outdoor range is routinely nonexistent and the recovery of brass casings is traditionally minimal at best.
- c) The expansion of the facility offers an expansion of services without the necessity of increasing staff.
- d) By following the proper protocol, this project will serve to employ a local consulting firm, a general contractor and numerous subcontractors with a focus in locally owned small business. The project will also offer a state-of-the-art facility to better serve local and regional law enforcement agencies.

**IMPACT ON OPERATING BUDGET:** An increase in operating cost is expected due to additional utilities and facility maintenance however, this cost will be offset by not having to maintain the grounds, lighting and electronics associated with the current outdoor range.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay as You Go/G.O. Bonds		-	-		4,920,000	-	4,920,000
<b>TOTAL REVENUES</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,920,000</b>	<b>0</b>	<b>4,920,000</b>
Construction		-	-	-	4,920,000	-	4,920,000
<b>TOTAL ALLOCATIONS</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,920,000</b>	<b>0</b>	<b>4,920,000</b>



**CIP Project Detail****Justice System****PROJECT TITLE:** SHERIFF - Fingerprint ID System**PROJECT DESCRIPTION:****Item 1:** Automated Fingerprint ID System (AFIS) - Upgrade the current AFIS, Automated Fingerprint Identification System.**PROJECT JUSTIFICATION:**

Risk of losing technical support for the current system as the vendor is already threatening not to support our current system.

a) This project will result in improvements of efficiencies. The client and server applications will be replaced to provide the SCSO with the latest innovations Automated Fingerprint Identification Systems technologies, including flexible and scalable architecture, accuracy improvements, operational speed, interoperability and new AFIS functionalities.

b) There is no compliance with any health or safety requirements.

c) It does support the SCSO's goals of reducing crime by being able to process quicker and with more accuracy fingerprints taken from crime scenes.

d) It will indirectly stimulate future economic development by getting more criminals off the street and that will also be a benefit to the citizens from this project.

**IMPACT ON OPERATING BUDGET:** Future maintenance expenses will be saved for 12 months only after the system goes live and while it is under warranty for the first year.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay as You Go/G.O. Bonds		-	1,499,970	-	-	-	1,499,970
<b>TOTAL REVENUES</b>	<b>0</b>	<b>0</b>	<b>1,499,970</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,499,970</b>
Construction		-	1,499,970	-	-	-	1,499,970
<b>TOTAL ALLOCATIONS</b>	<b>0</b>	<b>0</b>	<b>1,499,970</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,499,970</b>

**PROJECT TITLE:** SHERIFF - Jail Laundry Renovation**PROJECT DESCRIPTION:**

**Item 1:** Jail Laundry Replacement and Renovation @ 201 Poplar - This project proposes to replace outdated equipment and to modernize the laundry to improve productivity for the increasing jail population. The Unit currently operates on two shifts to maintain an acceptable operation level; however, the load capacity was not intended for the current population level. Two washers are over 20 years old with constant need for repairs; the manufacturer is no longer in business which makes it difficult to find replacement parts. The dryers are also aging, the load capacity is insufficient for keeping up with the wash capacity, and the steam pressure is low due to an aged and run down boiler system that is subject to frequent repairs. Consideration will be given to utilizing gas versus steam provided it is safe, improves efficiency and minimizes energy consumption. Additional savings may be identified with the assistance of an engineering consultant.

**Impact on Operating Budget:** The Sheriff's Office spent in excess of \$17,000 for maintenance repairs and outsourcing of laundry to the Corrections Center during 2009.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay as You Go/G.O. Bonds		458,000	0	0	0	0	458,000
<b>TOTAL REVENUES</b>	<b>0</b>	<b>458,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>458,000</b>
Construction (see detail below)	0	458,000	0	0	0	0	458,000
<b>TOTAL ALLOCATIONS</b>	<b>0</b>	<b>458,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>458,000</b>
<b>County's Share of Allocations</b>	<b>0</b>	<b>458,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>458,000</b>

# CIP Project Allocation Summary

# General Government

PROJECT ALLOCATIONS BY FISCAL YEAR							
PROJECT TITLE:	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
160 N. Main Renovation	613,608	5,000,000	7,000,000	6,000,000	2,000,000	0	20,000,000
SCG Office Buildings	1,132,029	1,250,000	500,000	500,000	0	0	2,250,000
ADA Compliance Renovations	777,448	100,000	600,000	600,000	600,000	600,000	2,500,000
Info Technology Upgrades	0	8,000,000	0	0	0	3,200,000	11,200,000
157 Poplar	4,545,494	734,000	2,000,000	0	0	0	2,734,000
814 Jefferson - Health Dept.	0	250,000	500,000	250,000	0	0	1,000,000
511 Alabama - Service Stations	0	300,000	450,000	0	0	0	750,000
County Cemetery Expansion	0	0	0	100,000	0	0	100,000
Trustee Data Domain Archiver	0	117,800	0	0	0	0	117,800
Archives Expansion	0	304,369	0	0	0	0	304,369
Project Contingencies	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
PROJECT TOTALS	7,068,579	17,056,169	12,050,000	8,450,000	3,600,000	4,800,000	45,956,169

REVENUE SOURCES AND ALLOCATION TYPES							
	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
<b>REVENUE SOURCES:</b>							
Pay-As-You-Go/G.O. Bonds	7,068,579	17,056,169	12,050,000	8,450,000	3,600,000	4,800,000	45,956,169
TOTAL REVENUES	7,068,579	17,056,169	12,050,000	8,450,000	3,600,000	4,800,000	45,956,169
<b>ALLOCATION TYPES:</b>							
Construction	7,068,579	7,791,500	11,050,000	7,450,000	2,600,000	600,000	29,491,500
Other	0	9,264,669	1,000,000	1,000,000	1,000,000	4,200,000	16,464,669
TOTAL ALLOCATIONS	7,068,579	17,056,169	12,050,000	8,450,000	3,600,000	4,800,000	45,956,169



**CIP Project Detail****General Government****PROJECT TITLE: 160 N. MAIN RENOVATION****PROJECT DESCRIPTION:**

**Item 1: Renovation of the Vasco Smith Shelby County Administration Building** - Most of the mechanical systems are 40 years old and are past their useful life. The water piping throughout the building has deteriorated such that leaks frequently occur causing damage to the building interior furnishings and content. The antiquated design of the mechanical and electrical systems restricts performance and energy efficiency of the building. (The average annual utility cost for commercial buildings in Tennessee is less than \$2.50 per square foot, while the average annual utility cost for the Administration Building is over \$3.50 per square foot.) Building codes for high rise buildings have changed considerably since the 1960s leaving the Administration Building non-compliant. This renovation will be implemented as a multi-year project which involves a complete renovation of all floors. Renovations include, but are not limited to, asbestos abatement, HVAC improvements, ADA upgrades, parking garage improvements, emergency generator plant improvements, current high-rise building code compliance, electrical improvements, and office space efficiency modifications.

**PROJECT JUSTIFICATION:**

Deferring this project may expose SCG to any of the following consequences: failure of the HVAC systems that have exceeded the manufacturers' recommended useful life; excessive damage to interior furnishings due to water piping ruptures; excessive utility costs due to antiquated, inefficient equipment; and, lawsuits from the ADA community since the majority of the building is non-compliant with ADA law.

**IMPACT ON OPERATING BUDGET:** Consultants project up to a 30% reduction in energy usage due to redesign of mechanical systems and building envelope resulting in a more energy-efficient building.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay as You Go/G.O. Bonds	613,608	5,000,000	7,000,000	6,000,000	2,000,000	0	20,000,000
<b>TOTAL REVENUES</b>	<b>613,608</b>	<b>5,000,000</b>	<b>7,000,000</b>	<b>6,000,000</b>	<b>2,000,000</b>	<b>0</b>	<b>20,000,000</b>
Construction	613,608	5,000,000	7,000,000	6,000,000	2,000,000	0	20,000,000
<b>TOTAL ALLOCATIONS</b>	<b>613,608</b>	<b>5,000,000</b>	<b>7,000,000</b>	<b>6,000,000</b>	<b>2,000,000</b>	<b>0</b>	<b>20,000,000</b>
County's Share of Allocations	613,608	5,000,000	7,000,000	6,000,000	2,000,000	0	20,000,000

**CIP Project Detail****General Government****PROJECT TITLE: SCG OFFICE BUILDINGS****PROJECT DESCRIPTIONS:**

**Item 1: Waterproof exterior of Archives Building** - Repair damage to building exterior concrete panels caused by water infiltration and ice formation. Waterproof exterior of building to prevent further damage to the building and stored records.

**PROJECT JUSTIFICATION:**

Additional concrete panels or details may be damaged and/or fall off the building, potentially damaging property or people.

**IMPACT ON OPERATING BUDGET:** Some repair savings anticipated in future years.

**Item 2: Elevator at 150 Washington** - The existing elevator provides the only customer access to the 3rd and 4th floors. While there are stairwells on the east and west ends of the building, the stairs are typically in secured areas and are intended for emergency egress only. Additionally, the existing elevator is hydraulic and very slow. This design was acceptable when the 3rd and 4th floors served as file storage for the Archives. Since the Archives have been relocated, the 3rd floor now houses the Credit Union, the District Attorney General, and Sheriff Department functions. Consequently, the existing elevator is insufficient to service the new tenant customer load. Also, the existing elevator is not ADA compliant. Upgrade the elevator system.

**PROJECT JUSTIFICATION:**

Deferring this project may expose SCG to the following: 1) lawsuits from the ADA community since the existing elevator is non-compliant with ADA law, 2) increased construction costs in the future, 3) increased delays for customers of the tenants on the 3rd floor, 4) limited ability to develop the 4th floor for additional tenants, and 5) extremely limited access to the 3rd and 4th floors in the event the existing elevator fails.

**Item 3: Expand parking lot for Peggy Edmiston Administration Building at 1075 Mullins Station Road** - The original health care function of the building ceased in 2001; the building has subsequently been converted for administrative functions. The employee occupancy has increased from approximately 200 employees to near 500 employees. The daily customer load has also increased to over 500 customers per day. Consequently, the parking lot must be expanded to accommodate customer traffic. Also, insufficient drainage surrounding the building allows flooding conditions during heavy rains. Stages 1 and 2 included parking and drainage improvements on the west and south sides of the building. Stages 3 and 4 will include parking and drainage improvements on the east and north sides of the building. All access drives to the building will be resurfaced.

**PROJECT JUSTIFICATION:**

Deferring this project may expose SCG to continued damage to County vehicles traveling across the potholes surrounding the building and soil erosion around the foundation on the east side of the building from improper drainage of stormwater.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay as You Go/G.O. Bonds	1,132,029	1,250,000	500,000	500,000	0	0	2,250,000
<b>TOTAL REVENUES</b>	<b>1,132,029</b>	<b>1,250,000</b>	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>2,250,000</b>
Construction (see detail below)	1,132,029	1,250,000	500,000	500,000	0	0	2,250,000
<b>TOTAL ALLOCATIONS</b>	<b>1,132,029</b>	<b>1,250,000</b>	<b>500,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>2,250,000</b>
<b>PROJECT DETAIL:</b>							
1. Waterproof Exterior of Archives Building			250,000				250,000
2. Elevator @ 150 Washington	62,250	750,000					750,000
3. Parking Lot/Lighting @1075 Mullins Station	1,069,779	500,000	500,000	500,000			1,500,000
<b>TOTAL</b>	<b>1,132,029</b>	<b>1,250,000</b>	<b>500,000</b>	<b>500,000</b>	<b>-</b>	<b>-</b>	<b>1,000,000</b>



**CIP Project Detail****General Government****PROJECT TITLE: ADA COMPLIANCE RENOVATIONS****PROJECT DESCRIPTION:**

**Item 1: ADA Compliance in SCG facilities** - Upgrade existing buildings to achieve compliance with current building codes with respect to provisions of the ADA. This is a multi-year project. The SCG building inventory will be surveyed to determine extent of need, and implementation will be prioritized according to greatest need. No impact on operating budget.

**PROJECT JUSTIFICATION:**

Deferring this project may expose SCG to lawsuits from the ADA community since the majority of SCG buildings are non-compliant with ADA law.

**IMPACT ON OPERATING BUDGET: NONE**

**Item 2: ADA Compliance at intersections** - Upgrade existing intersections in unincorporated Shelby County to meet ADA sidewalk accessibility requirements. Primary improvements shall include curb ramps for intersections with sidewalks and concrete pads for pedestrians at intersection without sidewalks. This is a multi-year project. The SCG intersection inventory will be surveyed to determine extent of need; implementation will be prioritized according to greatest need.

**PROJECT JUSTIFICATION:**

Deferring this project may expose SCG to lawsuits from the ADA community, since the majority of curb ramps in unincorporated Shelby County are non-compliant with ADA law.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay as You Go/G.O. Bonds	777,448	100,000	600,000	600,000	600,000	600,000	2,500,000
<b>TOTAL REVENUES</b>	<b>777,448</b>	<b>100,000</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>2,500,000</b>
Construction (see detail below)	777,448	100,000	600,000	600,000	600,000	600,000	2,500,000
<b>TOTAL ALLOCATIONS</b>	<b>777,448</b>	<b>100,000</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>2,500,000</b>
<b>PROJECT DETAIL:</b>							
1. ADA Upgrades in various buildings	677,448		500,000	500,000	500,000	500,000	2,000,000
2. ADA Sidewalk Accessibility	100,000	100,000	100,000	100,000	100,000	100,000	500,000
<b>TOTAL</b>	<b>777,448</b>	<b>100,000</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>600,000</b>	<b>2,500,000</b>

## CIP Project Detail

## General Government

**PROJECT TITLE:** INFORMATION TECHNOLOGY

**PROJECT DESCRIPTIONS:**

**Item 1:** Replace systems developed using Pacbase. The systems developed using Pacbase are: Motor Vehicle Registration, Business Tax and Marriage License. IBM is going to end support for Pacbase in 2015. Since we are mandated to purchase commercial off the shelf software whenever possible, we will need to look at purchasing systems to replace those built using the development tool Pacbase.

**PROJECT JUSTIFICATION:**

Run the risk of encountering a problem within Pacbase and have no vendor support to resolve it.  
This could reduce the number of IT staff required to maintain the afore mentioned applications.  
This will enable SCG to stay in compliance with the TN Dept of Revenue for MVR and Business Tax

**IMPACT ON OPERATING BUDGET: NONE**

**Item 2:** Replace the four Nortel CS1000 PBX phone switches. These switches will be end-of-life in 2016 and no longer supported by the manufacturer.

**PROJECT JUSTIFICATION:**

Risk to the County of the equipment breaking down with no means to repair it.

**Item 3:** Upgrade/replace the current ERP system. The vendor for the current ERP System has announced that they will recreate the ERP system using newer technology. Moving to this new platform will facilitate integrating GEMS with other systems. This upgrade/replacement will not be covered by the maintenance contract. At some point Harris will discontinue maintenance on the current software and we will have to purchase the upgrade.

**PROJECT JUSTIFICATION:**

The software application should become easier to use and will make use of the latest software technology. There are no safety issues. This project supports the strategic goals of Shelby County by making it possible for the finance department to wisely manage SCG finances. It will also allow them to keep producing award winning reports.

**Item 4:** Improve the Haley Rd. datacenter by adding roof strapping, install security fencing and lighting.

**PROJECT JUSTIFICATION:**

Potential weather damage to the data center. Increase the survivability of the County's IT systems in case of emergencies.

**IMPACT ON OPERATING BUDGET: NONE**

**Item 5:** Expand Remedy help desk software to include BMC Atrium and CMDB modules. IT plans to upgrade the current help desk software (SDE) to BMC's premier help desk software known as Remedy in FY2012. This is a follow on purchase to add identity management and impact analysis to the Remedy software.

**PROJECT JUSTIFICATION:**

New technology provides greater capabilities. Better service delivery to IT customers, therefore better service to the public.

**Item 6:** Replace JMS/JSS/IMS systems

**PROJECT JUSTIFICATION:**

The existing Criminal Justice systems are 10 - 14 years old and are showing their age. They need replacement in order to take advantage of more modern programming techniques, and hardware platforms.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay As You Go/G.O. Bonds		8,000,000	0	0	0	3,200,000	11,200,000
<b>TOTAL REVENUES</b>	<b>0</b>	<b>8,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,200,000</b>	<b>11,200,000</b>
Other (see detail below)		8,000,000	0	0	0	3,200,000	11,200,000
<b>TOTAL ALLOCATIONS</b>	<b>0</b>	<b>8,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,200,000</b>	<b>11,200,000</b>

**PROJECT DESCRIPTION:**

1) Development Center - Pacbase Replacement						900,000	900,000
2) Telecommunications - Replace Nortel PBX						600,000	600,000
3) Development Group 1 - Upgrade ERP System						500,000	500,000
4) Customer Support -Haley Rd DataCenter Improvements						400,000	400,000
5) Customer Support - Help Desk Software Upgrade						400,000	400,000
6) Replace JMS/JSS/IMS systems		8,000,000				400,000	8,400,000
<b>TOTAL</b>	<b>0</b>	<b>8,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,200,000</b>	<b>11,200,000</b>



## CIP Project Detail

## General Government

**PROJECT TITLE:** SHELBY COUNTY OFFICE BUILDING RENOVATION

**LOCATION:** 157 POPLAR

**PROJECT DESCRIPTION:**

**Item 1: Exterior Resurfacing** - The majority of the interior and infrastructure renovations of the Shelby County Office Building at 157 Poplar were accomplished from funds appropriated from the FY10 CIP Budget. This project pertains to resurfacing of the building exterior. After 50 years of weather exposure, the exterior concrete surface has become spalled, exposing the structural metal reinforcement rods in many locations. Also, removal of the brise-soleil has left structural aluminum I-beam supports that need to be concealed. Finally, the concrete exterior suffered discoloration from the church fire across the street several years ago.

**PROJECT JUSTIFICATION:**

The building exterior will not reflect the investment that SCG has made in the renovation of the building interior. Also, areas where the concrete has spalled injuring tenants or customers and is susceptible to moisture penetration and further erosion. This erosion may cause concrete to fall from the building, potentially injuring tenants or customers.

**Item 2: Jury Commission Room Renovation** - The majority of the renovation of the Shelby County Office Building at 157 Poplar was accomplished from funds appropriated from the FY10 CIP Budget. Remaining renovations include interior renovations for the Jury Commission on the 1st floor.

**PROJECT JUSTIFICATION:**

The Jury Commission space is currently the only space unrenovated in the building.

**Item 3: Misc Buildout Costs for Trustee** - Additional costs for build-out of 157 Poplar to meet requests by Trustee

**PROJECT JUSTIFICATION:**

Additional facility needs for the Trustee not included in the current 157 Poplar renovation (sliding glass wall system, cabinetry and appliances for break rooms).

**Item 4: District Cooling Loop Underground Infrastructure** - Project includes installation of an underground district cooling loop and utility infrastructure between the five neighboring County buildings in the downtown area. The district cooling loop will utilize the chiller plant at 201 Poplar as the primary source of chilled water. The district cooling loop will accomplish two purposes: A) increased energy efficiency, since the chiller plant at 201 Poplar has newer, higher efficiency chillers, and B) back up chiller capacity, since the existing chillers in each building will be relegated to a back up/reserve role. The secondary purpose of back up chiller capacity provides the greatest benefit, because no back up capacity currently exists for the Administration Building, the Office Building, the Courthouse, or the Archives Building.

**PROJECT JUSTIFICATION:**

One result of delaying this project is lost energy cost savings from switching to the higher efficiency chiller plant at 201 Poplar. The second result involves potentially more risk, and that is the catastrophic failure of any of the chillers in the 4 other SCG buildings downtown. The Administration Building, the Office Building, the Courthouse, and the Archives Building have no back up cooling capacity, so if a chiller fails in these buildings, it will be very expensive to rent temporary equipment until the existing chiller is repaired or replaced.

**IMPACT ON OPERATING BUDGET:** Project energy cost savings extrapolated from the original study are approximately \$300,000 to \$400,000 per year.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay As You Go/G.O. Bonds	4,545,494	734,000	2,000,000	0	0	0	2,734,000
			0		0	0	0
<b>TOTAL REVENUES</b>	<b>4,545,494</b>	<b>734,000</b>	<b>2,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,734,000</b>
Construction (detail below)	4,545,494	734,000	2,000,000	0	0	0	2,734,000
<b>TOTAL ALLOCATIONS</b>	<b>4,545,494</b>	<b>734,000</b>	<b>2,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,734,000</b>

**PROJECT DESCRIPTION:**

1. Exterior Resurfacing		350,000					350,000
2. Jury Commission Room Renovation	4,545,494	150,000					150,000
3. Other Buildout Costs for Trustee		234,000					234,000
4. District Cooling Loop/Underground Infrastructure			2,000,000				2,000,000
<b>TOTAL</b>	<b>4,545,494</b>	<b>734,000</b>	<b>2,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,734,000</b>



PROJECT TITLE: HEALTH SERVICES BUILDING at 814 Jefferson

**PROJECT DESCRIPTION:**

**Item 1: Asbestos Removal** - Construction materials containing various levels of asbestos are located throughout the building. A complete assessment of the hazardous material contamination and plan for remediation was prepared during FY11. This is a multi-year project to systematically implement the remediation plan by removing the existing building materials (predominantly the acoustical ceiling tiles), abating the hazardous material, and installing new finish surfaces.

**PROJECT JUSTIFICATION:**

The risk associated with deferring the project pertains to the potential exposure to air-borne asbestos fibers being circulated by the air conditioning system.

**IMPACT ON OPERATING BUDGET: NONE**

**Item 2: Brick Façade Repairs** - Emergency brick façade repairs were completed in FY10 for areas on the 5th and 6th floors of the southwest corner of the building. The Phase I visual assessment study cited additional areas of potential concern. This project includes a recommended Phase II investigation of all additional areas of concern and the proposed remedy.

**PROJECT JUSTIFICATION:**

The consulting engineering assessment did not suggest that the remaining brick veneer was in a critical state of potential failure. However, deferring further investigation and/or repair too long may expose SCG to brick veneer retention system failure.

**IMPACT ON OPERATING BUDGET: NONE**

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay As You Go/G.O. Bonds	0	250,000	500,000	250,000	0	0	1,000,000
			0		0	0	0
<b>TOTAL REVENUES</b>	<b>0</b>	<b>250,000</b>	<b>500,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>
Construction (detail below)	0	250,000	500,000	250,000	0	0	1,000,000
<b>TOTAL ALLOCATIONS</b>	<b>0</b>	<b>250,000</b>	<b>500,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>
<b>PROJECT DESCRIPTION:</b>							
1. Asbestos Removal		250,000	250,000	250,000			750,000
2. Brick Façade Repairs			250,000				250,000
<b>TOTAL</b>	<b>0</b>	<b>250,000</b>	<b>500,000</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>

## CIP Project Detail

## General Government

**PROJECT TITLE:** SERVICE STATION at 511 Alabama

**PROJECT DESCRIPTIONS:**

**Item 1: Service Station Upgrades** - Fleet Services plans to expand the services offered at the downtown Service Station. Expanded services, such as oil & fluid changes, routine vehicle maintenance, and diesel fuel availability, will be provided for not only vehicles under the Mayor's Administration, but also for the Sheriff's vehicles. To accommodate these increased services, the building/property must be upgraded. Upgrades will include, but not be limited to, an additional service bay, service lifts, a pit in a service bay, fence modifications, security surveillance and lighting improvements, fuel pump replacements, ADA upgrades, pavement repairs, and updated zoning code requirements.

**PROJECT JUSTIFICATION:**

All County vehicles would continue to have maintenance performed at the Fleet Services location at the Corrections compound. All vehicles stationed in the downtown area, including the Sheriff's Department, will make the 30 mile round trip several times per year for routine maintenance. Increasing the maintenance services at the Alabama station will reduce the vehicle miles traveled for all vehicles stationed in the downtown area. Plus, the time that the vehicle is out of service should also be reduced.

**IMPACT ON OPERATING BUDGET:** Reduces vehicle mileage expense and out of service impacts.

**Item 2: Underground Storage Tanks** - Replace Underground Fuel Storage Tanks-Existing underground fuel storage tanks are single-wall design and store only gasoline. Federal regulations require that these tanks be replaced periodically. This project includes the engineering design and installation of a new 5,000 gallon double-wall, two compartment underground storage tank. The new tank will hold gasoline and diesel fuel. This project also includes the appropriate environmental assessment and containment remediation, if necessary.

**PROJECT JUSTIFICATION:**

Underground tanks are required to be inspected and/or replaced periodically. If the existing tanks begin leaking fuel into the soil, then SCG may be subject to fines and remediation costs.

**IMPACT ON OPERATING BUDGET:** NONE

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay As You Go/G.O. Bonds	0	300,000	450,000	0	0	0	750,000
			0		0	0	0
<b>TOTAL REVENUES</b>	<b>0</b>	<b>300,000</b>	<b>450,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750,000</b>
Construction (detail below)	0	300,000	450,000	0	0	0	750,000
<b>TOTAL ALLOCATIONS</b>	<b>0</b>	<b>300,000</b>	<b>450,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750,000</b>
<b>PROJECT DESCRIPTION:</b>							
1. Service Station Upgrades			450,000				450,000
2. Underground Storage Tanks		300,000					300,000
<b>TOTAL</b>	<b>0</b>	<b>300,000</b>	<b>450,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750,000</b>

**CIP Project Detail****General Government****PROJECT TITLE: COUNTY CEMETERY IMPROVEMENTS****LOCATION: 8340 ELLIS****PROJECT DESCRIPTION:**

**Item 1: Cemetery Improvements** - Clear timber from northernmost (15) acres. Grade and sod acreage, extend roadway. Cemetery has exceeded existing capacity for grave sites.

**PROJECT JUSTIFICATION:**

When the existing capacity of the Cemetery is exhausted, an alternate location for the burial of approximately 250 bodies per year will be required.

**IMPACT ON OPERATING BUDGET: NONE**

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay As You Go/G.O. Bonds	-	-	-	100,000	-	-	100,000
<b>TOTAL REVENUES</b>	-	-	-	<b>100,000</b>	-	-	<b>100,000</b>
Construction	-	-	-	100,000	-	-	100,000
<b>TOTAL ALLOCATIONS</b>	-	-	-	<b>100,000</b>	-	-	<b>100,000</b>

**PROJECT TITLE: TRUSTEE - DATA DOMAIN ARCHIVER****LOCATION: 160 N. MAIN - SERVER ROOM****PROJECT DESCRIPTION:**

**Item 1: EMC Data Domain Archiver** - is a storage system designed to compress data files by as much as 30% thereby reducing the space and energy requirements for data storage. In addition, this storage solution decreases the amount of time required to restore data for business continuity and disaster recovery purposes. As an added benefit, it reduces the amount of personnel costs associated with the management of data storage. This solution has a specialized archiving process for long-term data retention which minimizes the reliance on tape backups; it is an ideal tape reduction solution resulting in the reliable preservation of data.

**PROJECT JUSTIFICATION:**

Trustee would need to purchase additional space without data compression and archival capability at an estimate of \$250,000.00. Further, space and energy costs would be elevated to accommodate additional storage hardware. Finally, employees would be required to manually archive and recover data for business continuity and disaster recovery purposes. It would reduce the personnel costs required to manage the backup infrastructure. In addition, energy costs associated with power, cooling, and space efficiencies would diminish the dependence on expensive hardware storage and result in a more "green" operation.

**IMPACT ON OPERATING BUDGET: Manpower reductions, utility expense, hardware storage expense**

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay As You Go/G.O. Bonds	-	117,800	-	-	-	-	117,800
<b>TOTAL REVENUES</b>	-	<b>117,800</b>	-	-	-	-	<b>117,800</b>
Hardware Acquisition	-	117,800	-	-	-	-	117,800
<b>TOTAL ALLOCATIONS</b>	-	<b>117,800</b>	-	-	-	-	<b>117,800</b>



## CIP Project Detail

## General Government

**PROJECT TITLE:** REGISTER - ARCHIVES EXPANSION

**LOCATION:** 980 A - NIXON ROAD

**PROJECT DESCRIPTION:**

**Item 1:** Archives Expansion - 1,500 sq. ft. addition to existing space for the benefit and use for Shelby County Archives. Construction will also include the installation of a fire suppression system in the new space. Project includes the purchase of 13 mobile shelving units mounted to railing affixed to building foundation.

**PROJECT JUSTIFICATION:**

Construction-Storage space for Shelby County permanent records is full. Proposed space would provide an area for additional shelving for the counties records. Without adequate space, county government departments are forced to look for additional avenues of storage, including renting space in non-climate controlled environments. Project includes a 1,500 SF expansion. Fire Suppression-Shelby County Government's permanent records are at risk each day without a fire suppression system. Most of these records are original paper records. All departments within Shelby County Government could be impacted if a fire occurs without a fire suppression system.

**IMPACT ON OPERATING BUDGET:** Reduce dependence on continued outside storage cost for some departments.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay As You Go/G.O. Bonds	-	304,369	-	-	-	-	304,369
<b>TOTAL REVENUES</b>	-	<b>304,369</b>	-	-	-	-	<b>304,369</b>
Construction	-	157,500	-	-	-	-	157,500
Other	-	146,869	-	-	-	-	146,869
<b>TOTAL ALLOCATIONS</b>	-	<b>304,369</b>	-	-	-	-	<b>304,369</b>
County's Share of Allocations	-	304,369	-	-	-	-	304,369

**PROJECT TITLE:** PROJECT CONTINGENCIES

**PROJECT DESCRIPTION:**

The general Contingency is for any changes that need to be made during each year. A portion of this is separately listed as efficiency projects to highlight that when projects are identified that result in future savings, they should be given priority.

REVENUE SOURCE/ ALLOCATION TYPE	PRIOR YEARS	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Pay As You Go/G.O. Bonds		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
<b>TOTAL REVENUES</b>	0	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>5,000,000</b>
Other (see detail below)		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
<b>TOTAL ALLOCATIONS</b>	0	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>5,000,000</b>

**PROJECT DETAIL:**

General Government		800,000	800,000	800,000	800,000	800,000	4,000,000
Efficiency Projects		200,000	200,000	200,000	200,000	200,000	1,000,000
<b>Total</b>		<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>5,000,000</b>

# CIP Project Allocation Summary

# Schools

PROJECT ALLOCATIONS BY FISCAL YEAR						
PROJECT TITLE:	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
Schools	-	55,000,000	55,000,000	55,000,000	55,000,000	220,000,000
PROJECT TOTALS	-	55,000,000	55,000,000	55,000,000	55,000,000	220,000,000

REVENUE SOURCES AND ALLOCATION TYPES						
	FY 2012	FY2013	FY2014	FY2015	FY2016	FIVE YEAR TOTAL
<b>REVENUE SOURCES:</b>						
Pay-As-You-Go/G.O. Bonds	-	55,000,000	55,000,000	55,000,000	55,000,000	220,000,000
TOTAL REVENUES	-	55,000,000	55,000,000	55,000,000	55,000,000	220,000,000
<b>ALLOCATION TYPES:</b>						
Construction	-	41,841,499	50,725,516	50,725,516	50,725,516	194,018,047
QSCB FY10 Repayment		13,158,501	4,274,484	4,274,484	4,274,484	25,981,953
TOTAL ALLOCATIONS	-	55,000,000	55,000,000	55,000,000	55,000,000	220,000,000

## NOTE 1:

The County established a Needs Assessment Committee in 2004 to address the financial burden of the current capital funding mechanism for the public schools, including both Memphis City Schools and Shelby County Schools. The Committee will: 1) Develop uniform standards and cost for school construction; 2) Annually assess capital needs of each school system and create a comprehensive plan for capital projects and funding; and 3) Review, as necessary, capital requests of both schools systems that fall outside of the comprehensive plan and make recommendations to the County Commission regarding those requests.

## NOTE 2:

County CIP funding for Schools is proposed to be suspended for FY 2012 pending resolution of consolidation restructuring. However, as the issues are resolved, consideration may be given to documented immediate needs of the schools. For FY2013 - FY2016, an amount of \$55,000,000 has been included to provide a reasonable expectation of our capital requirements, but in no way is the County committed to provide this amount to the schools for those years.

## NOTE 3:

In FY2010, Shelby County chose not to provide capital funding to schools because the schools had substantial CIP funds available. However, in the stimulus plan, the Federal Government provided an opportunity for very low interest rate borrowing for school construction called Qualified School Construction Bonds or QSCB. Both school systems indicated a desire to participate in the QSCB program and agreed to a reduction in future CIP allocations equal to the principal and interest payments on these bonds. The City Schools were awarded \$41,720,000 and the County Schools were awarded \$13,400,000. Principal and Interest payment go through 2026. The amounts reflect above in allocations as "QSCB FY10 Repayment" is the principal and interest amount for each year. This amount will be provided from Pay-As-You-Go to the Debt Service Fund as the schools repayment of this debt. However, if the County does not provide CIP funding to schools in FY2012, we recommend that the commitment of the schools system to reduce future CIP allocations be waived.

